

IN THE CLAIMS:

1. (Currently Amended) A method of coating a ~~metallic~~ medical device comprising:
interfacing a therapeutic with a supercritical fluid; ~~and~~
transporting the interfaced therapeutic and supercritical fluid towards the medical device;
and,
transferring the therapeutic from the supercritical fluid to the medical device.
2. (Original) The method of claim 1 further comprising:
applying a carrier coating to the medical device.
3. (Original) The method of claim 1 wherein transferring the therapeutic from the
supercritical fluid to the medical device includes spraying the supercritical fluid at the medical
device.
4. (Original) The method of claim 1 wherein transferring the therapeutic from the
supercritical fluid to the medical device includes exposing the medical device to a bath of
supercritical fluid.
5. (Previously Amended) The method of claim 1 wherein the therapeutic substantially
dissolves in the supercritical fluid.
6. (Original) The method of claim 1 wherein the therapeutic is colloidally suspended in
the supercritical fluid.
7. (Original) The method of claim 1, further comprising:
applying a vacuum force to a chamber containing the medical device.
8. (Original) The method of claim 1 wherein the therapeutic is combined with a carrier
coating.

9. (Original) The method of claim 1 further comprising:
collecting the supercritical fluid after transferring the therapeutic from the supercritical fluid to the medical device; and
removing residual therapeutic from the supercritical fluid after collecting the supercritical fluid.

10. (Original) The method of claim 1 wherein the supercritical fluid is supercritical carbon dioxide and the therapeutic is paclitaxel.

11. (Original) The method of claim 1 wherein the medical device is chosen from a group consisting of a stent, a peripherally inserted central catheter, an angio-catheter, a stent-graft, a vena-cava filter, and an aneurysm coil.

12. (Currently Amended) A method of ~~coating~~ treating a ~~metallic~~ medical device comprising:
~~place the medical device in a coating chamber;~~
coating the medical device;
interfacing a therapeutic with a supercritical fluid; and
exposing the coating on the coated medical device to the supercritical fluid that has been interfaced with the therapeutic.

13. (Original) The method of claim 12 wherein exposing the coating to the supercritical fluid includes spraying the supercritical fluid at the medical device.

14. (Currently Amended) The method of claim 12 wherein exposing the coating to the supercritical fluid includes flooding ~~the~~ a coating chamber with the supercritical fluid after the therapeutic has been interfaced with the supercritical fluid.

15. (Currently Amended) The method of claim 12 further comprising:
swelling the coating by exposing the coating to a supercritical fluid, before exposing the

coating on the coated medical device to the supercritical fluid that has been interfaced with the therapeutic.

Claims 16-20 have been canceled without prejudice to the subject matter therein.

21. (New) The method of coating a medical device comprising:

interfacing a therapeutic with a supercritical fluid;

transferring the therapeutic from the supercritical fluid to the medical device; and,

applying a vacuum force to a chamber containing the medical device.

22. (New) A method of coating a medical device comprising:

interfacing a therapeutic with a supercritical fluid;

transferring the therapeutic from the supercritical fluid to the medical device;

collecting the supercritical fluid after transferring the therapeutic from the supercritical fluid to the medical device; and,

removing residual therapeutic from the supercritical fluid after collecting the supercritical fluid.